

Message Text

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73

ACTION OES-06

INFO OCT-01 EUR-12 ISO-00 FEA-01 ACDA-07 CIAE-00 INR-07

IO-13 L-03 NSAE-00 NSC-05 EB-07 NRC-05 DODE-00 ARA-06

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R 132026Z APR 76

FM AMEMBASSY OTTAWA

TO SECSTATE WASHDC 9441

C O N F I D E N T I A L OTTAWA 1469

FOR OES/KRATZER

E.O. 11652: GDS

TAGS: TECH, PARM, CA

SUBJ: INTERIM REPLY TO REQUESTED SAFEGUARDS RELATED INFORMATION

REF: KRATZER/SCICOUNS TELECON FEBRUARY 12.

1. SCICOUNS HAS REVERIFIED WITH BOTH EXTAFF AND AECL THAT THERE IS NO REPEAT NO CURRENT CANADIAN INTENTION TO SUPPLY ARGENTINA WITH HEAVY WATER PRODUCTION FACILITY. CONSIDERATIONS CONTAINED IN OTTAWA 1101 REMAIN VALID.

2. RE STEAM GENERATORS PROBLEM ARISES WITH RESPECT TO NATURE OF TECHNOLOGY AVAILABLE TO COMBUSTION ENGINEERING. CURRENT ADVANCED CANDU DESIGNS CALL FOR TECHNOLOGY WHICH IS THOUGHT TO BE ALMOST ENTIRELY KNOWN ONLY TO CANADIAN B&W. THIS TECHNOLOGY IS ESSENTIAL TO REALIZATION FULL POTENTIAL ADVANCED CANDUS SUCH AS BRUCE AND SUCCESSORS. THESE MODERN CANDUS USE FOUR HEAT EXCHANGERS CONNECTED TO A LONG COMMON HEADER WHICH ACTS MUCH AS A STEAM DRUM IN CERTAIN CONVENTIONAL BOILERS. DRUM AND HEAT EXCHANGER TECHNOLOGY IS ALL REASONABLY STANDARD, HOWEVER, PHYSICAL ARRANGEMENT WITHIN THE REACTOR FACILITY INTRODUCES CERTAIN HIGH STRESS AND VIBRATIONAL DESIGN CONSIDERATIONS WHICH ARE ONLY NOW BEING SATISFACTORILY SOLVED. ON ASSUMPTION THAT MAPP AND SUBSEQUENT NUCLEAR POWER
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STATIONS IN INDIA WILL FOLLOW SAME EVOLUTIONARY DESIGN PATTERN AS CANADIAN CANDUS, IT WOULD THEN APPEAR THAT STEAM GENERATOR

TECHNOLOGY IS BOTH ESSENTIAL AND WOULD BE OF AN ADVANCED
NON-STANDARD TYPE.

3. WILL ADVISE FURTHER IF ADDITIONAL TECHNOLOGY CONSIDERA-
TIONS OF SIGNIFICANCE BECOME AVAILABLE.
ENDERS

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